

Figure 1.

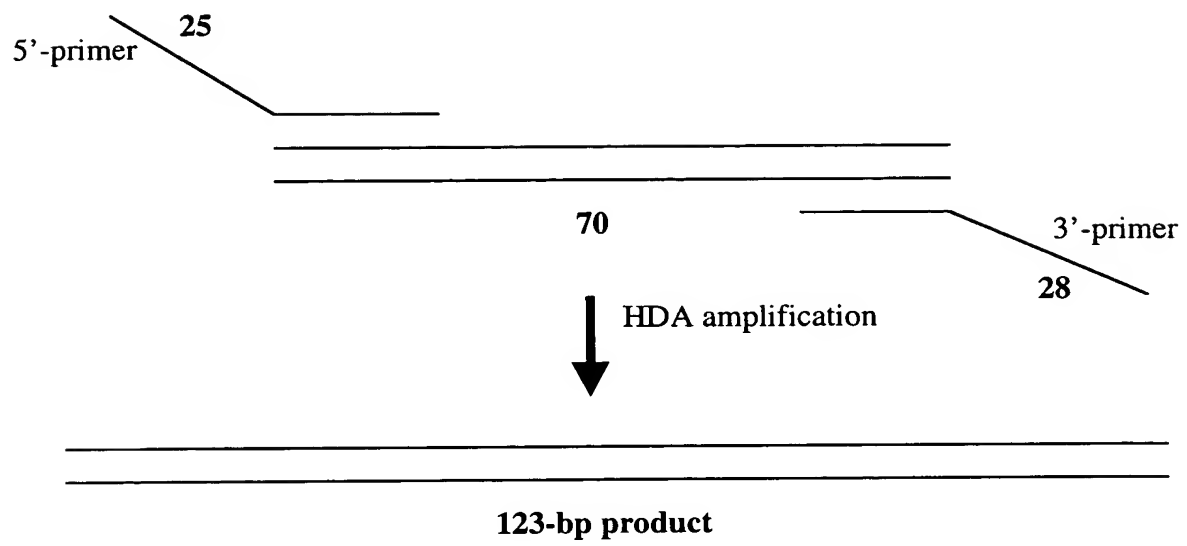


Figure 2A

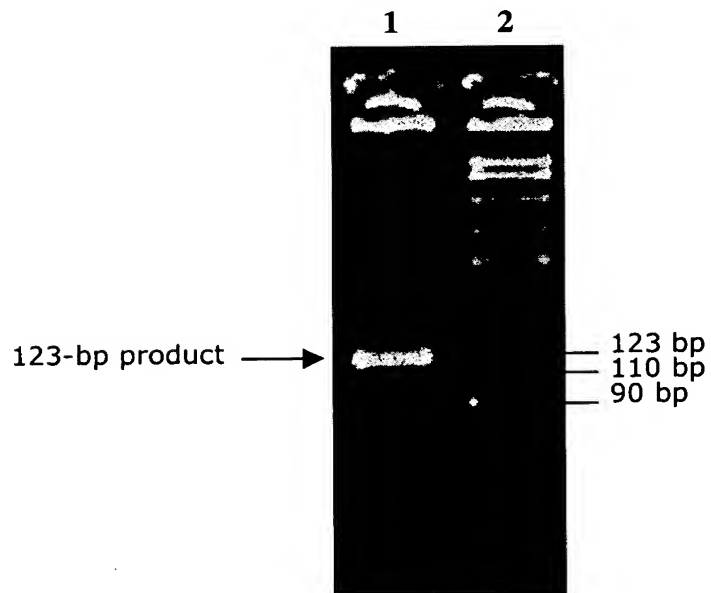


Figure 2B.

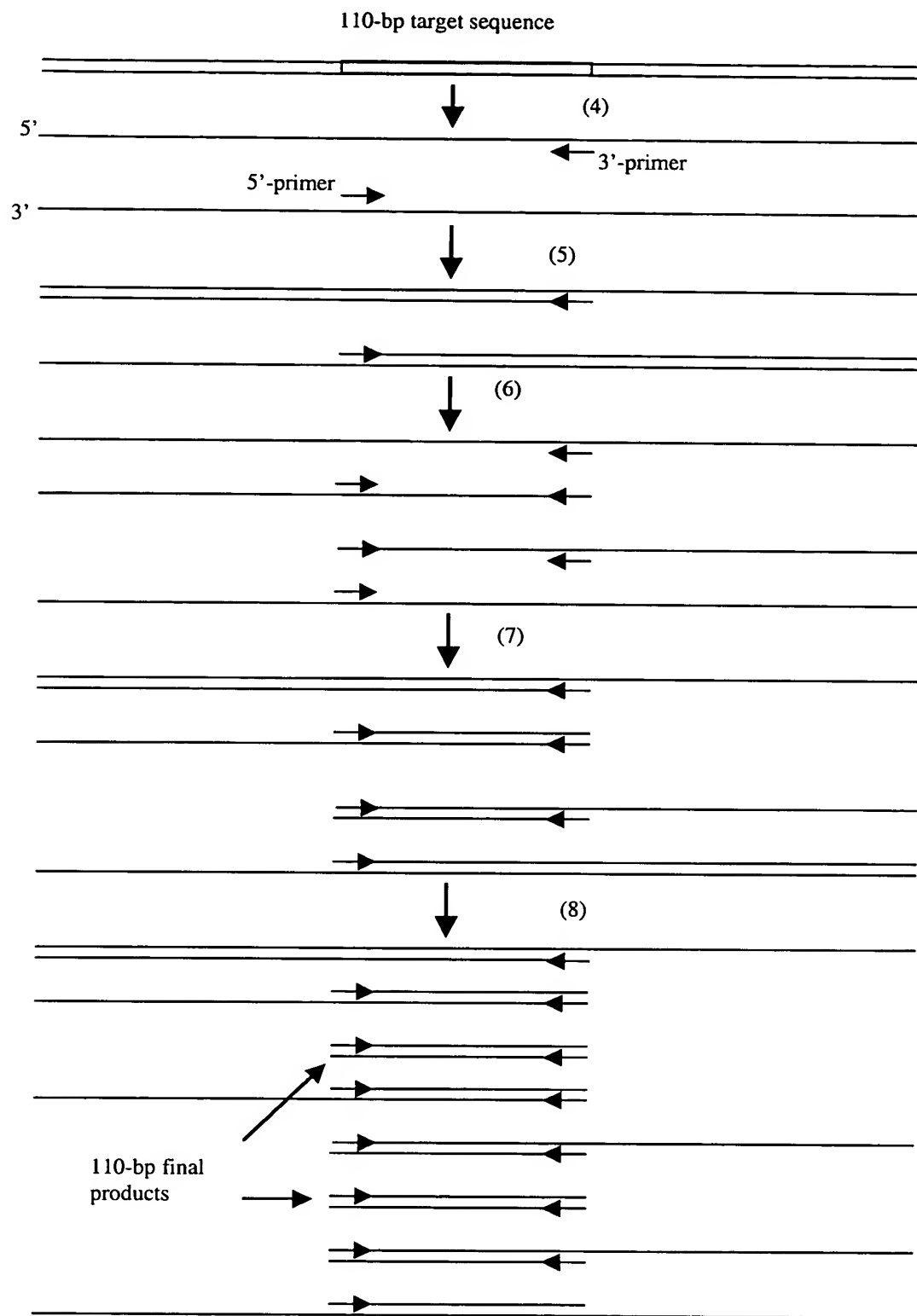


Figure 3

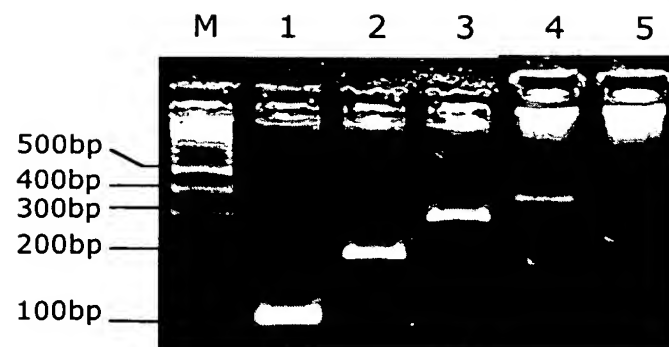


Figure 4

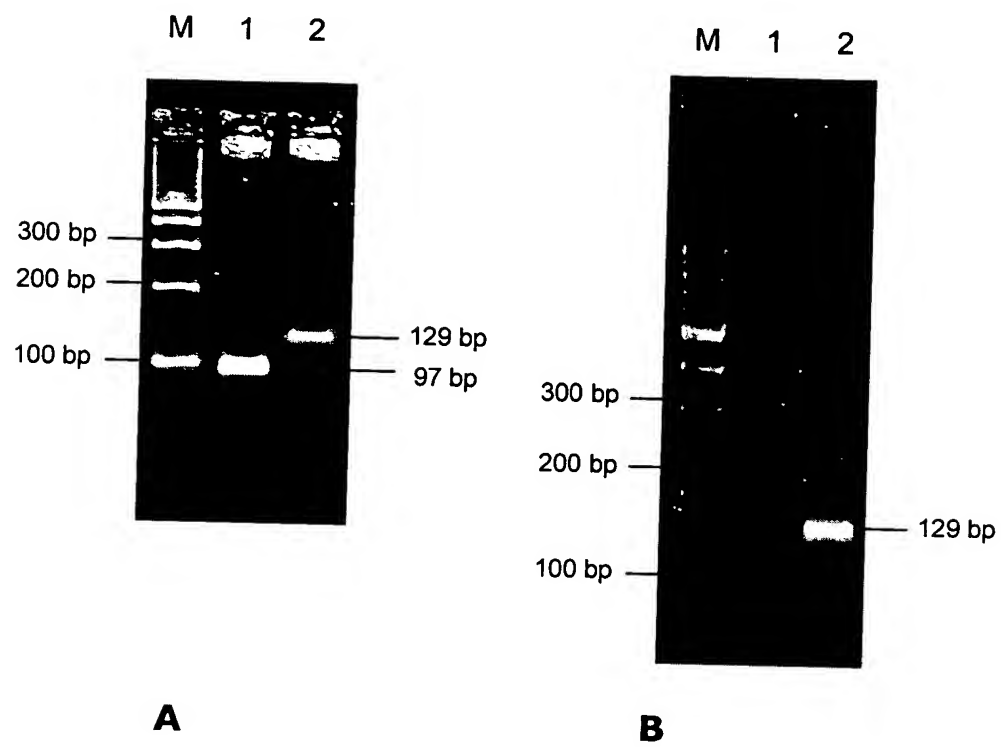


Figure 5

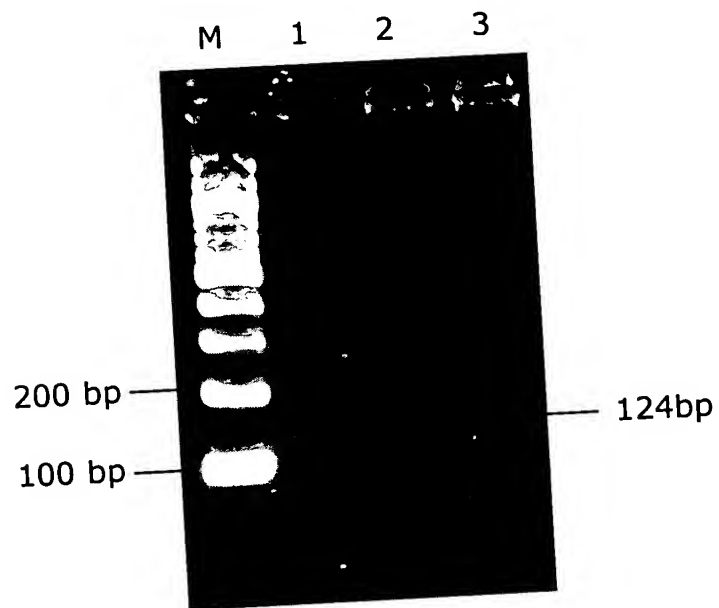


Figure 6

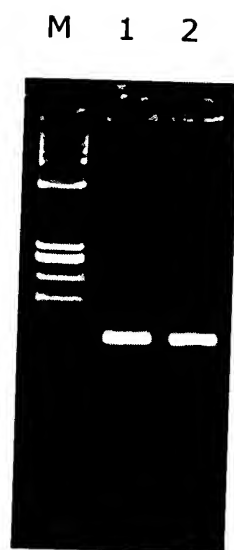


Figure 7

Genome Copies 10^7 10^6 10^5 10^4 10^3 10^2 10 0

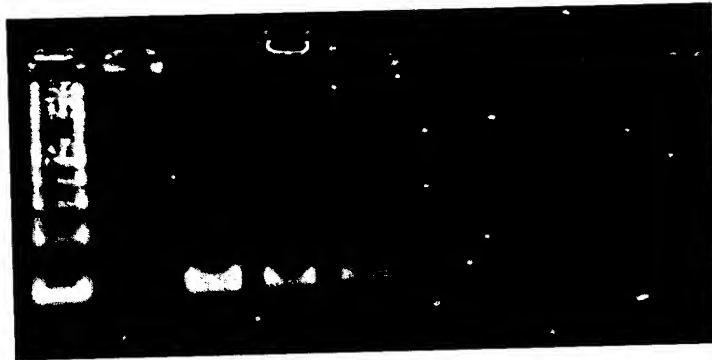


Figure 8

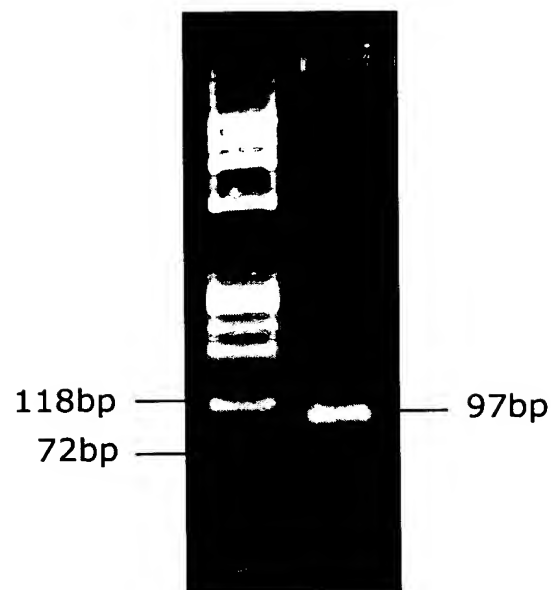


Figure 9

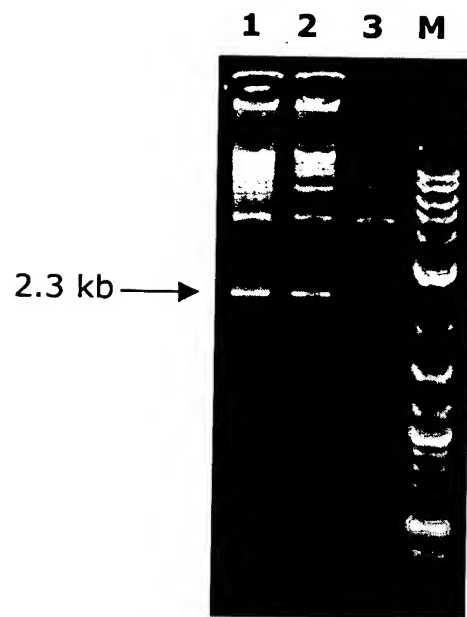


Figure 10

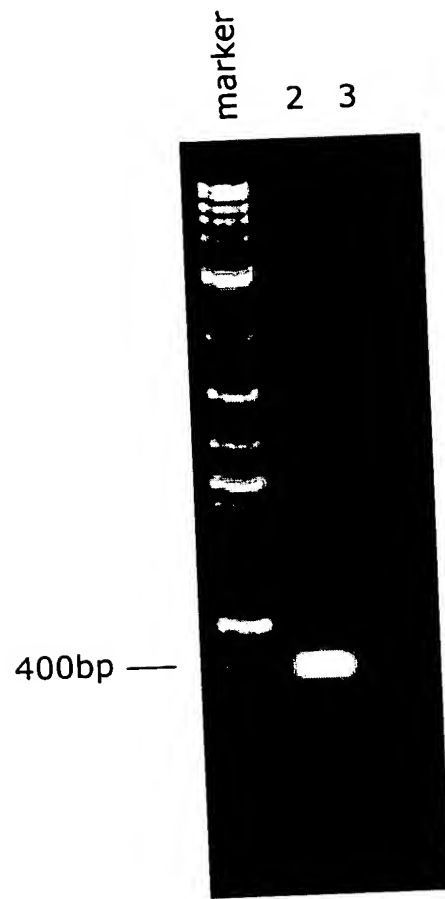


Figure 11

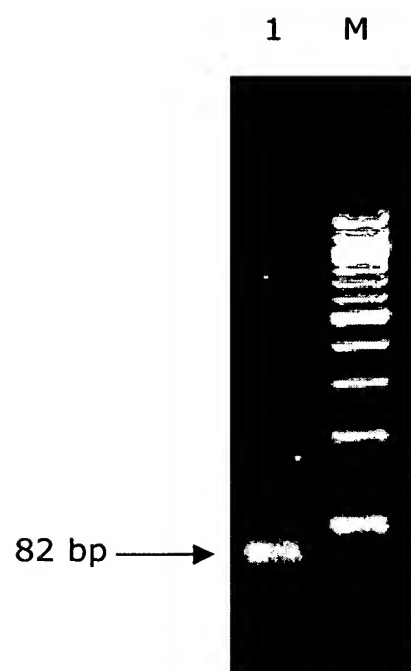


Figure 12

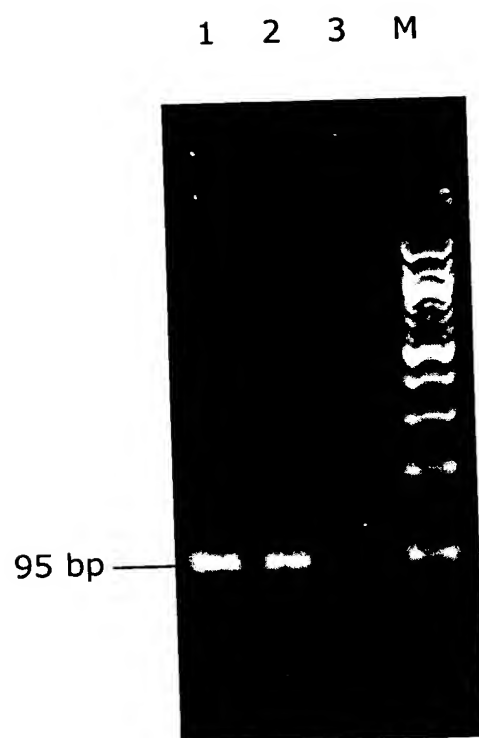


Figure 13

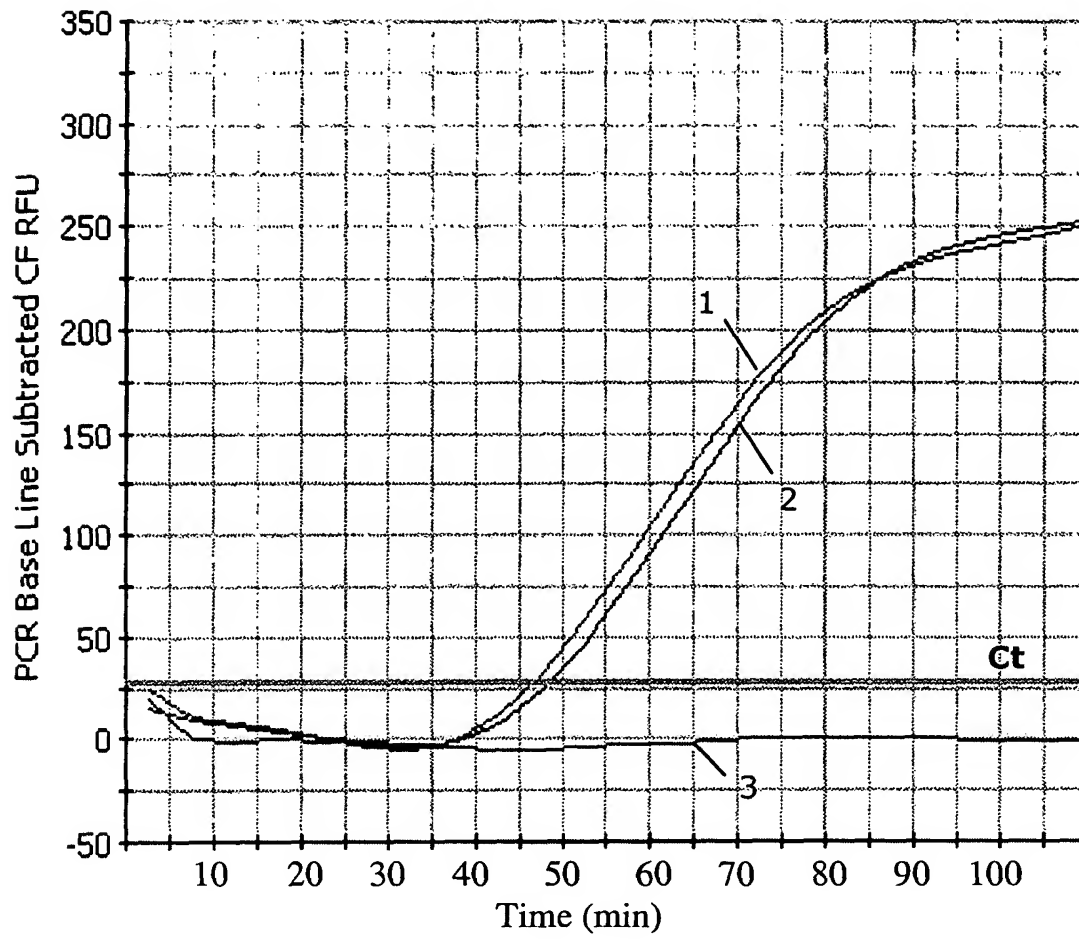


Figure 14

FIGURE 15-1

TCGCGCGTTTCGGTGATGACGGTGAAAACCTCTGACACA
TGCAGCTCCCGGAGACGGTCACAGCTTGTCTGTAAGCG
GATGCCGGGAGCAGACAAGCCCGTCAGGGCGCGTCAGC
GGGTGTTGGCGGGTGTCGGGGCTGGCTTA ACTATGCGG
CATCAGAGCAGATTGTACTGAGAGTGCACCATATGCGGT
GTGAAATACCGCACAGATGCGTAAGGAGAAAATACCGC
ATCAGGCGCCATTCGCCATTCAGGCTGCGCAACTGTTGG
GAAGGGCGATCGGTGCGGGCCTCTTCGCTATTACGCCA
GCTGGCGAAAGGGGGGATGTGCTGCAAGGCGATTAAAGTT
GGGTAACGCCAGGGTTTTCCAGTCACGACGTTGTAAAA
CGACGGCCAGTGAATTGCATGCTCAGCTTGGCGTAATCA
TGGTCATAGCTGTTTCCTGTGTGAAATTGTTATCCGCTCA
CAATTCCACACAACATACGAGCCGGAAGCATAAAGTGTA
AAGCCTGGGGTGCCTAATGAGTGAGCTAACTCACATTAA
TTGCGTTGCGCTCACTGCCCGCTTTCAGTCGGGAAACC
TGTCGTGCCAGCTGCATTAATGAATCGGCCAACGCGCG
GGGAGAGGCGGTTTGCGTATTGGGCGCTCTTCCGCTTC
CTCGCTCACTGACTCGCTGCGCTCGGTCTGTTCCGGCTGCG
GCGAGCGGTATCAGCTCACTCAAAGGCGGTAATACGGT
TATCCACAGAATCAGGGGATAACGCAGGAAAGAACATG
TGAGCAAAAGGCCAGCAAAAGGCCAGGAACCGTAAAAA
GGCCGCGTTGCTGGCGTTTTTCCATAGGCTCCGCCCCC
TGACGAGCATCACAAAATCGACGCTCAAGTCAGAGGT
GGCGAAACCCGACAGGACTATAAAGATACCAGGCGTTT
CCCCCTGGAAGCTCCCTCGTGCGCTCTCCTGTTCCGACC
CTGCCGCTTACCGGATACCTGTCCGCCTTTCTCCCTTCG
GGAAGCGTGGCGCTTTCTCATAGCTCACGCTGTAGGTAT
CTCAGTTCGGTGTAGGTCGTTTCGCTCCAAGCTGGGCTGT
GTGCACGAACCCCCCGTTCAAGCCGACCGCTGCGCCTTA
TCCGGTAACTATCGTCTTGAGTCCAACCCGGTAAGACAC
GACTTATCGCCACTGGCAGCAGCCACTGGTAACAGGATT
AGCAGAGCGAGGTATGTAGGCGGTGCTACAGAGTTCTT
GAAGTGGTGGCCTAACTACGGCTACACTAGAAGGACAG
TATTTGGTATCTGCGCTCTGCTGAAGCCAGTTACCTTCG
GAAAAAGAGTTGGTAGCTCTTGATCCGGCAAACAAACCA

FIGURE 15-2

CCGCTGGTAGCGGTGGTTTTTTTGTGTTGCAAGCAGCAGA
TTACGCGCAGAAAAAAGGATCTCAAGAAGATCCTTTGA
TCTTTTCTACGGGGTCTGACGCTCAGTGGAACGAAAAC
CACGTTAAGGGATTTTGGTCATGAGATTATCAAAAAGGA
TCTTCACCTAGATCCTTTTAAATTAAAAATGAAGTTTTAA
ATCAATCTAAAGTATATATGAGTAAACTTGGTCTGACAG
TTACCAATGCTTAATCAGTGAGGCACCTATCTCAGCGAT
CTGTCTATTTTCGTTTCATCCATAGTTGCCTGACTCCCCGTC
GTGTAGATAACTACGATACGGGAGGGCTTACCATCTGGC
CCCAGTGCTGCAATGATACCGCGAGACCCACGCTCACC
GGCTCCAGATTTATCAGCAATAAACCAGCCAGCCGGAAG
GGCCGAGCGCAGAAAGTGGTCCTGCAACTTTATCCGCCTC
CATCCAGTCTATTAATTGTTGCCGGGAAGCTAGAGTAAG
TAGTTCGCCAGTTAATAGTTTGCGCAACGTTGTTGCCAT
TGCTACAGGCATCGTGGTGTACGCTCGTCGTTTTGGTAT
GGCTTCATTCAGCTCCGGTTCCCAACGATCAAGGCGAGT
TACATGATCCCCCATGTTGTGCAAAAAAGCGGTTAGCTC
CTTCGGTCCTCCGATCGTTGTGAGAAGTAAGTTGGCCGC
AGTGTTATCACTCATGGTTATGGCAGCACTGCATAATTC
TCTTACTGTCATGCCATCCGTAAGATGCTTTTCTGTGACT
GGTGAGTACTCAACCAAGTCATTCTGAGAATAGTGTATG
CGGCGACCGAGTTGCTCTTGCCCGGCGTCAATACGGGA
TAATACCGCGCCACATAGCAGAACTTTAAAAGTGCTCAT
CATTGGAAAACGTTCTTCGGGGCGAAAACTCTCAAGGAT
CTTACCGCTGTTGAGATCCAGTTCGATGTAACCCACTCG
TGCACCCAACCTGATCTTCAGCATCTTTTACTTTACCAGC
GTTTCTGGGTGAGCAAAAAACAGGAAGGCAAAATGCCGC
AAAAAAGGGAATAAGGGCGACACGGAAATGTTGAATAC
TCATACTCTTCCTTTTTCAATATTATTGAAGCATTTATCA
GGGTTATTGTCTCATGAGCGGATACATATTTGAATGTAT
TTAGAAAAATAAACAAATAGGGGTTCCGCGCACATTTCC
CCGAAAAGTGCCACCTGACGTCTAAGAAACCATTATTAT

FIGURE 15-3

CATGACATTAACTATAAAAATAGGCGTATCACGAGGCC
CTTTCGTC

FIGURE 16

ATGAGTAGGCGTGAAGTAAAAAATCAAACAAATATTTCT
AGAATTGAAGGAATTAACCAAATGATGCTTATGTTGCT
TATGTATGTGTACAATGTAACAATTTGAATATGATAAATA
TTGGACAAAAATTATTAGATCCAAGAGAGGCTTATGAAA
CACAAGAATGGAAATGTGAAAGATGTGGATTTTTACATA
GTAAAAATAATTCATTGTCTTATTCAAACCTGGCCAGAAG
AAAGTAAAAAGAAAGGTTCTATTCCTGTACAAAGATTTT
GGCAAGCTTTTTTTAGAGTATATACAGAGAATAAAGAAG
CATATTGGAAACAATGTAATTGTTGTGGAAAAATATTAC
CATTTTCCGCATTTAGCAAGCATATTGGTTTTGGCCCTCT
TGAAAGACAAATGGAATGTAGAGCTTGTAAGGGAGTGA
TAAATGCATTTTTAAATCCAGAAAGAACAGAAGATCAAT
TAAGAGAGTCAAATGTTAGGAGACGTGTTGCCGATTTGT
TTGTTAAAAAAGAAAATAAATCTAAAGATGATGGATTTAT
TAAAGATTTATTTAAACGTTTTGGTTCAAAGTGCTTTAAA
ACAAAGAAATATCTAAATATTCATGATAGAAATTCTTGG
GCTATAGATCATATTTTACCATCAAATATCTTTATCCTC
TTACAAAAGAAAATGCTGCACTATTATCTGTAGAAGCTA
ATTCCAATAAAAGAGATCGTTGGCCTTCAGAATTTTATAC
AAATAATGAATTAATAGAACTTGCTACAATAACAGGAGC
TGATTTACAATTATTATCAAATAAAACACCTATTATAAAT
CCAAATCTTACTGATGAGGATATAAATGCAGGTATTGAG
AATTATTTGTCTGTTTCGTGAAAATTCAAACCTTGAGAAGC
GAGTAGCTGAAATAAAAAAAATCATAATAGACTATCAAT
TAACGGATAAATTATCGAAAAGCAACAAGAATTTACTTG
GTTTATCTTAA